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OM protein - protein search, using sw model

Run on: June 25, 2003, 14:55:36 ; Search time 17.4806 Seconds
(without alignments)
680.911 Million cell updates/sec

Title: US-09-622-613B-24

Perfect score: 601
Sequence: 1 SNNATFOOKHIINFPICNT.....ICVCKENQYVHFAGIGRCP 110

Scoring table: ELOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_AA.*

1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
7: /cgn2_6/ptodata/1/pubpaa/PCT05_PUBCOMB.pep.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB IDI	Description
1	601	100.0	110	9	US-09-948-391A-24
2	601	100.0	111	9	US-09-948-391A-26
3	597	99.3	110	9	US-09-948-391A-15
4	591	98.3	111	9	US-09-948-391A-17
5	591	98.3	111	9	US-09-948-391A-21
6	591	98.3	111	9	US-09-948-391A-22
7	585	97.3	110	9	US-09-948-391A-19
8	280.5	46.7	104	9	US-09-948-391A-11
9	280.5	46.7	105	9	US-09-948-391A-13
10	276.5	46.0	105	9	US-09-948-391A-6
11	276.5	46.0	127	9	US-09-948-391A-28
12	275.5	45.8	104	9	US-09-948-391A-2
13	272.5	45.3	104	9	US-09-986-119-1
14	272.5	45.3	105	9	US-10-153-882-2
15	270.5	45.0	104	9	US-09-948-391A-4
16	261.5	43.5	105	9	US-09-948-391A-8
17	261.5	43.5	111	9	US-09-948-391A-9
18	206	34.3	83	9	US-09-986-119-3
19	158	26.3	169	12	US-10-016-447-2

20	117	19.5	147	10	US-09-731-872-254	Sequence 254, App
21	114.5	19.1	124	9	US-09-981-286A-8	Sequence 8, Appli
22	114	19.0	12	12	US-10-016-447-5	Sequence 5, Appli
23	113	18.8	131	12	US-10-016-447-6	Sequence 6, Appli
24	113	18.8	147	10	US-09-286-240-6	Sequence 2, Appli
25	113	18.8	147	10	US-09-863-777-2	Sequence 2, Appli
26	92	15.3	161	9	US-10-001-876-197	Sequence 197, App
27	79	13.1	77	9	US-09-925-299-836	Sequence 836, App
28	79	13.1	77	10	US-09-925-299-836	Sequence 836, App
29	79	13.1	156	9	US-09-796-753-102	Sequence 102, App
30	79	13.1	156	9	US-09-796-753-118	Sequence 118, App
31	79	13.1	156	9	US-10-245-103-60	Sequence 60, Appl
32	79	13.1	156	9	US-10-245-107-60	Sequence 60, Appl
33	79	13.1	156	9	US-10-245-143-60	Sequence 60, Appl
34	79	13.1	156	9	US-10-245-171-60	Sequence 60, Appl
35	79	13.1	156	9	US-10-245-851-60	Sequence 60, Appl
36	79	13.1	156	9	US-10-245-883-60	Sequence 60, Appl
37	79	13.1	156	9	US-10-237-535-60	Sequence 60, Appl
38	79	13.1	156	9	US-10-238-183-60	Sequence 60, Appl
39	79	13.1	156	9	US-10-238-283-60	Sequence 60, Appl
40	79	13.1	156	9	US-10-238-370-60	Sequence 60, Appl
41	79	13.1	156	9	US-10-245-055-60	Sequence 60, Appl
42	79	13.1	156	9	US-10-245-147-60	Sequence 60, Appl
43	79	13.1	156	9	US-10-245-730-60	Sequence 60, Appl
44	79	13.1	156	9	US-10-245-739-60	Sequence 60, Appl
45	79	13.1	156	9	US-10-246-210-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1
US-09-948-391A-24
Sequence 24, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 24
LENGTH: 110
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Rana
OTHER INFORMATION: catesdeliana ribonuclease with Gln1ser substitution
OTHER INFORMATION: (recombinant RacOR1 Q1S)
US-09-948-391A-24

Query Match 100.0% Score 601; DB 9; Length 110;
Best Local Similarity 100.0%; Pred. No. 1.1e-59;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SNNATFOOKHIINFPICNTIMDNNNIYIGCGCKRVNFTIISATTVKATCGVIMNV 60
DB 1 SNNATFOOKHIINFPICNTIMDNNNIYIGCGCKRVNFTIISATTVKATCGVIMNV 60
QY 61 STTFOCNTTSTTRSTPRCPYSSRTETNYICVCKENQYVHFAGIGRCP 110

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Db      61 5TTRFQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRCP 110

RESULT 2
US-09-948-391A-26
; Sequence 26, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana
; OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1
US-09-948-391A-26

Query Match      100.0%; Score 601; DB 9; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.1e-59;
Matches 110; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 5NNAFQOKHIIINTPICNTIMDNNTIYVGQCKRVNTFISSATVKAICTGVINMNVLS 60
Db      2 5NNAFQOKHIIINTPICNTIMDNNTIYVGQCKRVNTFISSATVKAICTGVINMNVLS 61
QY      61 5TTRFQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRCP 110
Db      62 5TTRFQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRCP 111

RESULT 3
US-09-948-391A-15
; Sequence 15, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 110
; TYPE: PRT

Db      61 5TTRFQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRCP 110
Db      62 5TTRFQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRCP 111

ORGANISM: Artificial Sequence
FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana
; OTHER INFORMATION: catesbeiana oocyte ribonuclease (RacOR1) synthetic
US-09-948-391A-15

Query Match      99.3%; Score 597; DB 9; Length 110;
Best Local Similarity 100.0%; Pred. No. 3.2e-59;
Matches 109; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      2 5NNAFQOKHIIINTPICNTIMDNNTIYVGQCKRVNTFISSATVKAICTGVINMNVLS 61
Db      2 5NNAFQOKHIIINTPICNTIMDNNTIYVGQCKRVNTFISSATVKAICTGVINMNVLS 61
QY      62 5TTRFQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRCP 110
Db      62 5TTRFQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRCP 110

RESULT 4
US-09-948-391A-17
; Sequence 17, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
; APPLICANT: as represented by The Secretary of the
; TITLE OF INVENTION: Recombinant Anti-Tumor RNase
; FILE REFERENCE: 015280-343110US
; CURRENT APPLICATION NUMBER: US/09/948,391A
; PRIOR FILING DATE: 2002-05-10
; PRIOR APPLICATION NUMBER: US 60/079,751
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: WO PCT/US99/06641
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: US 09/622,613
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Rana
; OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1
US-09-948-391A-17

Query Match      98.3%; Score 591; DB 9; Length 111;
Best Local Similarity 99.1%; Pred. No. 1.5e-58;
Matches 108; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      2 5NNAFQOKHIIINTPICNTIMDNNTIYVGQCKRVNTFISSATVKAICTGVINMNVLS 61
Db      3 5NNAFQOKHIIINTPICNTIMDNNTIYVGQCKRVNTFISSATVKAICTGVINMNVLS 62
QY      62 5TTRFQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRCP 110
Db      63 5TTRFQNLNCTRTSTTPRCPPYSSRTETNYICVKCENQYPVHFAGIGRCP 111

RESULT 5
US-09-948-391A-21
; Sequence 21, Application US/09948391A
; Publication No. US20030027311A1
; GENERAL INFORMATION:
; APPLICANT: Rybak, Susanna M.
; APPLICANT: Newton, Dianne L.
; APPLICANT: The United States of America
```

APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 111
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met at position 1,
OTHER INFORMATION: Met23Leu and Met58Leu substitutions (recombinant
OTHER INFORMATION: Met(-1) RacOR1 Met22Leu Met57Leu)
US-09-948-391A-21

Query Match 98.3%; Score 591; DB 9; Length 111;
Best Local Similarity 98.2%; Pred. No. 1,5e-58;
Matches 107; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 2 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINMVL 61
DB 3 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINMVL 62
OY 62 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 110
DB 63 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 111

RESULT 6
US-09-948-391A-22

Sequence 22, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 22
LENGTH: 117
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with (His)6 tag, Met at
OTHER INFORMATION: position 7, Met23Leu and Met58Leu substitutions
OTHER INFORMATION: (recombinant Met(-1) RacOR1 Met22Leu Met57Leu (His)6)
US-09-948-391A-22

Query Match 98.3%; Score 591; DB 9; Length 117;
Best Local Similarity 98.2%; Pred. No. 1,6e-58;

Matches 107; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 2 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINMVL 61
DB 9 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINMVL 68
OY 62 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 110
DB 69 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 117

RESULT 7
US-09-948-391A-19

Sequence 19, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 19
LENGTH: 110
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana
OTHER INFORMATION: catesbeiana ribonuclease with Met22Leu and
OTHER INFORMATION: Met57Leu substitutions (recombinant RacOR1
OTHER INFORMATION: Met22Leu Met57Leu)
US-09-948-391A-19

Query Match 97.3%; Score 585; DB 9; Length 110;
Best Local Similarity 97.2%; Pred. No. 6,9e-58;
Matches 106; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 2 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINMVL 61
DB 2 NMAFPOOKHINTPILICNTIMDNNIYVGGCKRVNFISSATTVKAITGVINMVL 61
OY 62 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 110
DB 62 TTRFOLNCTRTSITPRPCPYSSRTETNYICVKCENQPVHFGIGRCP 110

RESULT 8
US-09-948-391A-11

Sequence 11, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27

PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 11
LENGTH: 104
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Gln1ser substitution
OTHER INFORMATION: (recombinant RapLRI Q1S)
US-09-948-391A-11

Query Match 46.7%; Score 280.5; DB 9; Length 104;
Best Local Similarity 49.5%; Pred. No. 5.9e-24;
Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 1 SNAATFOOKHIINT-PICTIMDNMIYIVGCGCKRVNFISSATTVAICGVI-NMN 58
DB 1 SDMLTFQKHLITRTVDCCNNIMSTNLF---HCKDKNFTIYSRPPVKAICGIIASKN 56
QY 59 VLTSEFYLSDC---NVTSRPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 109
DB 57 VLTSEFYLSDC---NVTSRPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 104

RESULT 9
US-09-948-391A-13
Sequence 13, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 13
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met at position 1 and Gln2ser
OTHER INFORMATION: substitution (recombinant Met(-1) RapLRI Q1S)
US-09-948-391A-13

Query Match 46.7%; Score 280.5; DB 9; Length 105;
Best Local Similarity 49.5%; Pred. No. 5.9e-24;
Matches 55; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 1 SNAATFOOKHIINT-PICTIMDNMIYIVGCGCKRVNFISSATTVAICGVI-NMN 58
DB 2 SDMLTFQKHLITRTVDCCNNIMSTNLF---HCKDKNFTIYSRPPVKAICGIIASKN 57
QY 59 VLTSEFYLSDC---NVTSRPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 109
DB 58 VLTSEFYLSDC---NVTSRPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 105

RESULT 10
US-09-948-391A-6
Sequence 6, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 6
LENGTH: 105
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
OTHER INFORMATION: ribonuclease with Met at position 1 (recombinant
US-09-948-391A-6

Query Match 46.0%; Score 276.5; DB 9; Length 105;
Best Local Similarity 49.1%; Pred. No. 1.6e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 2 SNAATFOOKHIINT-PICTIMDNMIYIVGCGCKRVNFISSATTVAICGVI-NMN 59
DB 3 SDMLTFQKHLITRTVDCCNNIMSTNLF---HCKDKNFTIYSRPPVKAICGIIASKN 58
QY 60 LSTFRQOLNCTRTSTTPPCPYSSRTETNYICVGCENQAPVHFVGVGHC 109
DB 59 LTTSEFYLSDC---NVTSRPCKYKLLKSTNFCVTCENQAPVHFVGVGHC 105

RESULT 11
US-09-948-391A-28
Sequence 28, Application US/09948391A
Publication No. US20030027311A1
GENERAL INFORMATION:
APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948,391A
CURRENT FILING DATE: 2002-05-10
PRIOR APPLICATION NUMBER: US 60/079,751
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: WO PCT/US99/06641
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: US 09/622,613
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 28
LENGTH: 127
TYPE: PRT
ORGANISM: Rana pipiens
FEATURE:

OTHER INFORMATION: Rana pipiens ribonuclease (RaplR1) Clone 5a1b cDNA
OTHER INFORMATION: insert
US-09-948-391A-28

Query Match 46.0%; Score 276.5; DB 9; Length 127;
Best Local Similarity 49.1%; Pred. No. 2.1e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 2 NWATFOCKHINT-PIICNTIMDNNTIYVGQCKRVNTFISSATVKAICTGYI-MNNV 59
DB 25 DWLTFQCKHINTFDVDCNNIMSTNLF---HCKDKNTFIYSRPEPVKAICKGIASKNV 80

QY 60 LSTTRFOLNCTRTSITPRPCPYSSRTETNYICVGCENQYVHFAGIGRC 109
DB 81 LTTSEFTLSDC---NVTSRPCKYKLRKSTNFCVTCENQAPVHFVGVGHC 127

RESULT 12

US-09-948-391A-2
Sequence 2, Application US/09948391A
Publication No. US20030027311A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
APPLICANT: Newton, Dianne L.
APPLICANT: The United States of America
APPLICANT: as represented by The Secretary of the
APPLICANT: Department of Health and Human Services
TITLE OF INVENTION: Recombinant Anti-Tumor RNase
FILE REFERENCE: 015280-343110US
CURRENT APPLICATION NUMBER: US/09/948, 391A
CURRENT FILING DATE: 2002-05-10
PRIORITY APPLICATION NUMBER: US 60/079,751
PRIORITY FILING DATE: 1998-03-27
PRIORITY APPLICATION NUMBER: NO PCT/US99/06641
PRIORITY FILING DATE: 1999-03-26
PRIORITY APPLICATION NUMBER: US 09/622,613
PRIORITY FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 43
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 104
TYPE: PRT
ORGANISM: Rana pipiens
FEATURE:
OTHER INFORMATION: ribonuclease (RaplR1)
US-09-948-391A-2

Query Match 45.8%; Score 275.5; DB 9; Length 104;
Best Local Similarity 49.1%; Pred. No. 2.1e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 2 NWATFOCKHINT-PIICNTIMDNNTIYVGQCKRVNTFISSATVKAICTGYI-MNNV 59
DB 2 DWLTFQCKHINTFDVDCNNIMSTNLF---HCKDKNTFIYSRPEPVKAICKGIASKNV 57

QY 60 LSTTRFOLNCTRTSITPRPCPYSSRTETNYICVGCENQYVHFAGIGRC 109
DB 58 LTTSEFTLSDC---NVTSRPCKYKLRKSTNFCVTCENQAPVHFVGVGHC 104

RESULT 13

US-09-986-119-1
Sequence 1, Application US/09986119
Publication No. US20020187153A1

GENERAL INFORMATION:

APPLICANT: Rybak, Susanna M.
APPLICANT: Goldenberg, David M.
TITLE OF INVENTION: Immunotoxins Directed Against Malignant
NUMBER OF SEQUENCES: 3
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/986,119
FILING DATE: 07-NO. US20020187153A1-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/071,672

FILING DATE: 01-MAY-1998
APPLICATION NUMBER: US 60/046,895
FILING DATE: 02-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Weber, Ellen Lauver

REGISTRATION NUMBER: 32,762
REFERENCE/DOCKET NUMBER: 015280-32510US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 104 amino acids
TYPE: amino acid
STRANDEDNESS: <unknown>
MOLECULE TYPE: protein

FEATURE:
NAME/KEY: Modified-site
LOCATION: 1
OTHER INFORMATION: /product= "OTHER"
/note= "Xaa = Glu or pyroglutamic acid"

FEATURE:
NAME/KEY: Protein
LOCATION: 1..104
OTHER INFORMATION: /note= "RNase A derived from
Rana pipiens, "onc protein"

SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-986-119-1

Query Match 45.3%; Score 272.5; DB 9; Length 104;
Best Local Similarity 49.1%; Pred. No. 4.5e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

QY 2 NWATFOCKHINT-PIICNTIMDNNTIYVGQCKRVNTFISSATVKAICTGYI-MNNV 59
DB 2 DWLTFQCKHINTFDVDCNNIMSTNLF---HCKDKNTFIYSRPEPVKAICKGIASKNV 57

QY 60 LSTTRFOLNCTRTSITPRPCPYSSRTETNYICVGCENQYVHFAGIGRC 109
DB 58 LTTSEFTLSDC---NVTSRPCKYKLRKSTNFCVTCENQAPVHFVGVGSC 104

RESULT 14

US-10-153-882-2
Sequence 2, Application US/10153882
Publication No. US2003009629A1

GENERAL INFORMATION:

APPLICANT: GOLDENBERG, David M.
APPLICANT: HANSEN, Hans
TITLE OF INVENTION: RECOMBINANT ONCONASE, AND CHEMICAL CONJUGATES AND
FILE REFERENCE: 018733/0913
CURRENT APPLICATION NUMBER: US/10/153,882
CURRENT FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: US/09/265,901

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: PRIOR FILING DATE: 1999-03-11
: PRIOR APPLICATION NUMBER: US 60/077,557
: PRIOR FILING DATE: 1998-03-11
: NUMBER OF SEQ ID NOS: 12
: SOFTWARE: Patentl Ver. 2.0
: SEQ ID NO 2
: LENGTH: 105
: TYPE: PRT
: ORGANISM: Rana pipiens
US-10-153-882-2

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Query Match      45.3%; Score 272.5; DB 9; Length 105;
Best Local Similarity 49.1%; Pred. No. 4.6e-23;
Matches 54; Conservative 15; Mismatches 32; Indels 9; Gaps 4;

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OY      2  NMATFOOKHINT--PIICNTIMDNNIYVGGCKRVNTFIISATVKAICTGYI--NMNV 59
      Db      3  DMLTFQKKHINTTRDVDCDINMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASKNV 58
OY      60  LSTRFOLNCTRTSITPPPCPYSSRPTETNYICVGCENQYVPHFAGIGRC 109
      Db      59  LTTSEFYLSDC---NVTSRPCKYKLRKSTNKFCVTCENQAPVHFVGVGSC 105

```

```

RESULT 15
US-09-948-391A-4
: Sequence 4, Application US/09948391A
: Publication No. US20030027311A1
: GENERAL INFORMATION:
: APPLICANT: Rybak, Susanna M.
: APPLICANT: Newton, Dianne L.
: APPLICANT: The United States of America
: APPLICANT: as represented by The Secretary of the
: APPLICANT: Department of Health and Human Services
: TITLE OF INVENTION: Recombinant Anti-Tumor RNase
: FILE REFERENCE: 015280-343110US
: CURRENT APPLICATION NUMBER: US/09/948,391A
: PRIOR FILING DATE: 2002-05-10
: PRIOR APPLICATION NUMBER: US 60/079,751
: PRIOR FILING DATE: 1998-03-27
: PRIOR APPLICATION NUMBER: WO PCT/US99/06641
: PRIOR FILING DATE: 1999-03-26
: PRIOR APPLICATION NUMBER: US 09/622,613
: PRIOR FILING DATE: 2000-08-17
: NUMBER OF SEQ ID NOS: 43
: SOFTWARE: Patentl Ver. 2.0
: SEQ ID NO 4
: LENGTH: 104
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Rana pipiens
: OTHER INFORMATION: ribonuclease with Met231eu substitution
: OTHER INFORMATION: (recombinant RAPRI Met231eu)
US-09-948-391A-4

```

```

Query Match      45.0%; Score 270.5; DB 9; Length 104;
Best Local Similarity 48.2%; Pred. No. 7.6e-23;
Matches 53; Conservative 15; Mismatches 33; Indels 9; Gaps 4;

```

```

OY      2  NMATFOOKHINT--PIICNTIMDNNIYVGGCKRVNTFIISATVKAICTGYI--NMNV 59
      Db      2  DMLTFQKKHINTTRDVDCDINMSTNLF---HCKDKNTFIYSRPEPVAKICKGIASKNV 57
OY      60  LSTRFOLNCTRTSITPPPCPYSSRPTETNYICVGCENQYVPHFAGIGRC 109
      Db      58  LTTSEFYLSDC---NVTSRPCKYKLRKSTNKFCVTCENQAPVHFVGVGHC 104

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Search completed: June 25, 2003, 15:42:19
 Job time : 18.4806 secs